INDEX

Volume 28, 1949[1]

ACETOL: yellow-brown pigment production, 26
Acid: amino; p-hydroxybenzoic acid, 644*
—: —; salivary, 644*
—: —; sulfanilamide, 644*
—: decalcification; rat molars, 675*
—: production; saliva, 391
—: solubility; enamel, 160
Acrylic resins: polymerization, 665*
—: properties, 663*
—: "self-curing," 663*
Actinomyces israeli: bacterial plaque, 645*
Actinomycetes: sugar utilization; lactobacilli, 669*
ADAMS, E.: quinone compounds; inhibitory activities, 645*
ADLER, P.: enamel; fluoride saturation, 310
Ageing: tooth surfaces, 31
AGNEW, R. G.: subcrevicular detachment; periodontal pocket, 649*
Alkalinity: saliva; broth culture, 503
ALLISON, A. G.: hydrocolloid impressions; equilibrium maintenance, 447
Alloxan diabetes: caries, 653*
Amalgam: compressive strength, 348
—: crushing strength, 228
—: failures; clinical study, 439
—: restorations; mercury analysis, 569
—: strength, 663*
Ammonia: salts; lactobacillus, 638*
—: —; salivary; calculus, 646*
Ammonium therapy: dentifrice; caries, 248
ANDAY, G. J.: gingiva; leukemia, 651*
ANDERSON, D. J.: hydrogen-ion concentration; flow; saliva, 583
—: saliva; H-ion concentration; CO_2 content, 72
Anesthesia: co-medication, 530*
—: procaine, 637*
—: —; toxicity and depth, 204
Antiseptics: oral bacteria, 313
APPLEBAUM, E.: hypophysectomy; dentition; monkey, 48
ARMSTRONG, W. D.: sodium fluoride solutions; stability, 4
ARTAGAVEYTIA-ALLENDE, R. C.: paracoccidioides brasiliensis and cerebriformis; characteristics, 242
Ascorbic acid: saliva; caries, 507
ASGIS, A. J.: statistical methods; principles of dentistry, 527*
Attrition: occlusal, 672*

BACILLUS brevis: caries, 635*
Bacteremia: surgical procedures; factors influencing, 637*
—: —; incidence, 533
Bacteria: bacteremia; surgical procedures, 533
—: caries, 430, 604*
Bacteria: caries—cont'd
—: —; proteolytic, 638*
—: oral; antagonism, 272, 634*
—: —; effect of chemical substances, 652*
—: —; penicillin, 267
—: —; Puerto Rico, 648*
—: —; reduction; antiseptics, 313
—: pH tolerance, 675*
—: See also specific bacterial names
Bacterial plaque: Actinomyces israeli, 645*
BAILIN, J.: adhesive penicillin ointment, 544
BARR, J. H.: caries; proximal; distribution, 466
BARTELSTONE, H. J.: radioactive iodine; tooth uptake, 658*
BAUER, W. H.: juvenile paradentitis, 650*
—: maternal riboflavin deficiency; cleft palate, 658*
BERZINSKAS, V. J.: caries; bilateral incidence; rats, 661*
BESIC, F. C.: dental caries; diffusion, 379
BEST, R. C.: caries; lactobacillus; mental patients, 276
BHASKAR, S. N.: genetic hypo-osteoclasia; tooth development, 654*
BIBBY, B. G.: acid solubility; enamel; substances decreasing, 160
—: decalcification index; foodstuffs, 641*
—: decalcification potential; foodstuffs, 640*
Biomicroscope, 651*
—: gingivae, 651*
BLACKWELL, R. Q.: saliva; amino acid content, 644*
BLAGG, W.: saliva; cholera vibrio, 666*
BLAYNEY, J. R.: fluorine; communal water supplies, 398
—: I.A.D.R., inaugural address; dental education, 627
BLOCK, R. J.: proteins; teeth; fish scales, 518
BLUM, H. L.: normal oral flora; blood agar, 674*
BOLLING, D.: proteins; teeth; fish scales, 518
Bone: calcium exchange, 657*
BOYD, J. D.: salivary lactobacilli; caries progression, 641*
BOYD, T. M.: solubility; enamel fluorapatite; calcium fluoride; tricalcium phosphate, 644
BRALEY, L. C.: masticatory performance; efficiency; measurement, 647*
BREEZE, L. E.: 9-aminoachridine hydrochloride solution; endodontia, 666*
BROWN, E. A.: oral antiseptics; bacterial reduction, 313
BRUCKNER, R. J.: alkaline phosphatase; pulp, 55
BRUDEVOLD, F.: vertical masticatory forces; measurement, 660*

[1]Abbreviations used: I.A.D.R.—International Association for Dental Research; J.D.R.—*Journal of Dental Research*; A.D.A.—American Dental Association.
*Abstract only.

BRUMFIELD, R. C.: physical characteristics; structure; materials, 664*
Buffering capacity: saliva, 589
BURNETT, G. W.: proteolytic bacteria; caries, 638*
BURRILL, D. Y.: pulp condition; fusion frequency, 652*
BURSTONE, M. S.: x-radiation; jaw growth, 656*

CALANDRA, J. C.: quinone compounds; inhibitory activities, 645*
Calciferol: dentin changes, 362
Calcification: dentin; calciferol, 362
—: —; nephrectomized rat, 356
—: —; rickets; fluoride, 17
Calcium: blood; dentin formation; fluoride, 144
—: exchange; bone; dentin, 657*
—: fluoride; solubility, 644*
—: hydroxide; pulp healing, 97
Calculus: gingivitis; 456
—: salivary ammonia, 646*
Candida: proteolytic activities, 640*
—: terminal alkalinity; saliva broth culture, 503
Capacity: oral; index, 667*
Carbohydrates: oxalic acid; production, 499
Caries: alloxan diabetes, 653*
—: ammonium therapy dentifrice, 248
—: Bacillus brevis, 635*
—: bacterial antagonisms, 272, 634*
—: bacteriological study, 430
—: bilateral incidence; rats, 661*
—: citrate, 647*
—: cotton rat; cage and bedding, 495
—: dentin softening, 646*
—: dietary effects, 77, 424, 677*
—: diet; lactic acid, 282
—: —; vitamin C, 670*
—: diffusion, 379
—: distribution, 415, 466, 594, 661*
—: ecological factors, 594
—: fluoride, 138, 298, 600, 635*
—: gonadectomy, 653*
—: hamster cheek pouches, 670*
—: incidence, 415, 466, 594, 661*
—: insulin coma therapy, 276
—: iodoacetic acid, 657*
—: lactobacilli, 641*
—: lesions; enamel; hamsters, 668*
—: nitrofuran compounds, 288
—: Norwegian children, 641*
—: penicillin, 258, 263, 267
—: proteolytic bacteria, 638*
—: Puerto Rico, 649*
—: rampant; teen-age children, 674*
—: regional variation, 415
—: salivary ascorbic acid content, 507
—: sugar; refined; raw, 676*
—: susceptibility; salivary fraction, 645*
—: testosterone propionate, 653*
—: tuberculosis, 483
CARLSON, H. J.: wetting agents; toxicity; antibacterial activity, 124
CARSON, B. C.: yellow-brown melanin-like pigment; production, 26
Casting investments: hygroscopic expansion, 665*
CAUL, H. J.: acrylic resins; properties, 663*
Cephalometric appraisal: cranium and mandible, 655*
Cephalometry: three-dimensional, 654*
CHAPIN, M. E.: chlorophyll; wound healing, 666*
CHARTER, W. V.: procaine sensitivity; naval officers, 337
CHEN, E.: decalcification index; foodstuffs, 641*
—: decalcification potential; foodstuffs, 640*
CHEYNE, V. D.: lupus vulgaris, 658*
—: salivary lactobacilli; caries progression, 641*
Cholera vibrio, 666*
Chrome base alloys: heat processing, 665*
CHUNG, P.: denture retention; surface contact, 663*
Citrate: decalcification; fluoride, 151
—: salivary; erosion, 613
—: tooth content, 647*
CLARKE, M. K.: terminal alkalinity; saliva; broth culture, 503
Cleft palate: maternal riboflavin deficiency, 658*
CLEGG, C. T.: saliva; buffering capacity; viscosity; lactobacillus, 589
COBE, H. M.: adhesive penicillin ointment, 544
—: lactobacillus; periodontal disease, 676*
Co-medication: operative dentistry, 530*
Composition: human and rat teeth, 61
Condylar: resection; anthropometric appraisal, 672*
—: —; cranium and mandible; appraisal, 655*
—: —; facial growth, 655*
Congenital mesodermal dysplasia, 673*
COOPER, E. N.: zinc oxide-eugenol impression pastes, 665*
COSTICH, E. R.: procaine; efficiency with and without epinephrine, 637*
COX, G. J.: molar pits; nutrition, 646*
CRESSON, J.: elastic impression materials, revisions, 573
CROWELL, G. E.: oxalic acid; production; carbohydrates, 499
Crushing strength: amalgam, 228
Cuticle: dentino-enamel, 565

DAHLBERG, A. A.: morphologic units; human dentition, 659*
DAM, H.: caries; dietary vitamin C, 670*
—: —; dietary lactic acid, 282
—: —; hamster cheek pouches, 670*
—: experimental caries, diet, 77
DAWSON, C. E.: saliva; cholera vibrio, 666*
Decalcification: citrate and lactate; fluoride, 151
—: index; foodstuffs, 641*
—: potential; foodstuffs, 640*
—: rat molars, 675*
Dehydrogenases: saliva, 666*
DENTAY, J. T.: phosphatase saliva, 68
Dentifrice: ammonia-urea, 248
—: penicillin; caries, 263

Dentin: calcification; rickets; fluoride, 17
—: caries; softening, 646*
—: fibers; components, 676*
—: formation; fluoride; blood calcium, 144
—: —; mantle, 671*
—: growth rate; irridiation, 633*
—: nephrectomized rat, 356
—: penetration; silicate phosphate, 657*
—: protein, 518
—: protein-free diet effects, 529
—: thermal conductivity, 642*
—: thiouracil and selenium effects, 172
Dentino-enamel cuticle, 565
Dentinogenesis imperfecta, 673*
Dentition: effect of hypophysectomy, 48
—: human; morphologic units, 659*
DENTON, G. B.: orthodontic treatment; origin of expansion, 660*
Denture: base materials; vertical dimension, 665*
—: retention; surface contact, 663*
Diabetes: alloxan; caries, 653*
—: oral flora, 674*
Diafil: properties, 662*
DICKSON, G.: acrylic resins; polymerization, 665*
—: —; properties, 663*
—: Diafil; properties, 662*
DIENSTEIN, B.: eruption; first molar; rat, 667*
Diet: caries, 77
—: —; pre- and postnatal, 424
—: periodontal disease, 651*
Diethylaminoethanol: analgetic agent, 676*
Diffusion: caries, 379
DINGER, E. J.: amalgam; crushing strength, 228
DINSE, A. G.: acid decalcification; rat molars, 675*
Disinfectants: infection prevention, 635*
—: 9-aminoacridine hydrochloride solution, 666*
DOCKING, A. R.: impression compounds; deterioration, 664*
DODD, M. C.: fusobacterium; chromatin granules, 639*
DONNISON, J. A.: impression compounds; deterioration, 664*
DREIZEN, S.: caries; nitrofuran compounds, 288
—: yellow-brown melanin-like pigment; production, 26
DUDLEY, H. C.: radioactive gallium distribution, 661*
DUMMETT, C. O.: oral capacity index, 667*
—: pathologic pigmentation; mucosa, 667*
—: radiologic resistance; Negro and white patients, 668*
DWIGHT, O. D.: hydrocolloid impressions; copper-plating, 456

EDITOR'S Viewpoint, 1, 95, 201, 335, 433, 531
Education: dental, 627
EICKENBERG, C. F.: saliva; enterococci; lactobacilli; yeasts, 639*
Electron: diffraction, 642*
—: microscopy; dentin fibers, 676*
Electron—Cont'd
—: tooth surfaces; age, 31
ELLIS, R. G.: topical fluoride; surface hardness, 661*
EMSLIE, R. D.: epithelio-connective tissue junction, 643*
Enamel: carieslike lesions; hamsters, 668*
—: fluoride, 310, 636,* 642,* 661*
—: neonatal lines, 558
—: organic framework, 549, 558
—: proteins, 512, 518
—: Schreger's bands, 195, 549
—: solubility, 160, 636,* 644*
—: surface hardness; fluorides, 661*
—: thiouracil and selenium effects, 172
—: tufts; organic basis, 549
—: wear resistance, 662*
ENGEL, M. B.: dentin softening; caries, 646*
ENGLISH, J. A.: radioactive gallium; distribution, 661*
—: thiouracil; selenium; effects; teeth and jaws of dogs, 172
ENNEVER, J.: Actinomyces israeli; bacterial plaque, 645*
Enterococci: saliva, 639*
Epinephrine: effect on 2 per cent procaine, 637*
ERAUSQUIN, J.: Schreger's bands; enamel, 195
Erosion: salivary citrate, 613
Eruption: rat molar, 667*
—: x-ray irradiation, 633*
Estrogenic stimulation: alkaline phosphatase activity, 659*
EVERETT, F. G.: alloxan diabetes; caries, 653*
—: anesthesia depth; toxicity; procaine, 204
Extraction: first permanent molars; prevalence, 675*

FANKUCHEN, I.: composition human and rat teeth, 61
Fiberglas: dental uses, 664*
FISCHER, T. E.: acrylic resins; polymerization, 665*
Fish scales: proteins, 518
Flora: oral; diabetics, 674*
—: —; normal, 674*
Fluorapatite: solubility, 644*
Fluoride: caries, 138, 298, 600, 635*
—: communal water supplies, 298, 398, 600
—: dentin; calcification; rickets, 17
—: —; formation; blood calcium, 144
—: enamel; adsorption, 636*
—: —; electromicroscopy; diffraction, 642*
—: —; saturation rate, 310
—: —; solubility, 636*
—: —; surface hardness, 661*
—: sodium; aqueous solutions; stability, 4
Foodstuffs: decalcification index, 641*
—: decalcification potential, 640*
FOSDICK, L. S.: amino acid derivatives; p-hydroxybenzoic acid, 644*
—: —; sulfanilamide, 644*
—: saliva; amino acid content, 644*
—: —; dehydrogenases, 666*
FRANDSEN, A.: gingivitis; cigarette and pipe smoking, 464

FRANK, S.: acrylic resins; "self-curing," 663*
FRISBIE, H. E.: bacteriological studies; caries, 430
—: carieslike lesions; enamel; hamsters, 668*
Fusion frequency: pulp condition, 652*
Fusospirochetal exudate: infectivity, 7

GALLIUM: radioactive; distribution, 661*
Genetic hypo-osteoclasia: tooth development, 654*
GERENDE, L. J.: caries; bilateral incidence; rats, 661*
Gies, W. J.: Endowment Fund; report, 683*
Gingiva: epithelial-connective tissue junction, 643*
—: leukemia, 651*
—: normal and inflamed, 651*
—: oxygen consumption, 83, 670*
Gingivitis: disease; Poland, 669*
—: P-M-A index, 634*
—: Puerto Rico, 649*
—: tobacco, 464
—: ulceromembranous; tobacco; calculus, 460
GLASS, R. L.: pulp healing, 97
—: silicate phosphate; dentin penetration, 657*
GLASSON, G. F.: Diafil; properties, 662*
GLAVIND, J.: caries; dietary lactic acid, 282
—: —; dietary vitamin C, 670*
—: —; hamster cheek pouches, 670*
—: experimental caries; diet, 77
GLICKMAN, I.: gingiva; histology; biomicroscope, 651*
—: —; oxygen consumption; Warburg technic, 83
—: gingival disease; Poland, 669*
—: oxygen consumption; gingiva, 670*
Gold solders, 219
GOLDBLATT, H.: extracted first permanent molars; prevalence, 675*
Gonadectomy: caries, 653*
GORLIN, R. J.: hypophysectomy; dentition; monkey, 48
—: periarteritis nodosa, 527*
GOTTSEGEN, R.: periarteritis nodosa, 527*
GRANADOS, H.: caries; dietary lactic acid, 282
—: —; dietary vitamin C, 670*
—: —; hamster; cheek pouches, 670*
—: experimental caries; diet, 77
GREENE, H. I.: caries; nitrofuran compounds, 288
—: yellow-brown melanin-like pigment; production, 26
GREEP, R. O.: genetic hypo-osteoclasia; tooth development, 654*
GRIFFITHS, E. S.: heat processing; chrome base alloys, 665*
GROSSMAN, L. I.: mercury vapor; dental offices, 435
Growth: condylar; resection, 655*
—: facial; nerve resection, 654*
—: tooth eruption; rat, 667*
GRUBER, I. E.: tuberculosis; oral conditions, 483
GURNEY, B. F.: chlorophyll; saliva enzymes, 633*
—: procaine; stabilization, 676*
—: saliva; mineral tide, 671*
Gypsum products: physical properties, 662*

HADJIMARKOS, D. M.: caries; ecological factors, 594
—: —; regional variation, 415
HAGAN, C. W.: molar pits; nutrition, 646*
Halitosis: prophylaxis; antiseptics, 324
HANOK, A.: composition; human and rat teeth, 61
HEALEY, H. J.: amalgam failures; clinical study, 439
Heat: processing; chrome base alloys, 665*
HEIN, J. W.: caries; Puerto Rico, 648*
—: chlorophyllin; caries, 633*
—: dental disease; nutrition; Puerto Rico, 648*
—: gingival disease; Puerto Rico, 649*
—: oral bacteria; Puerto Rico, 648*
HENRY, J. L.: root resorption; repair, 653*
HENSCHEL, C. J.: caries; ammonium therapy dentifrice, 248
—: silicate cement restorations; disintegration, 528*
HESS, W. C.: enamel; proteins, 512
—: saliva; ascorbic acid content, 507
HILL, I. N.: fluorine; communal water supplies, 398
—: salivary fluorine; lactobacillus caries, 635*
HILL, R.: gingiva; oxygen consumption; Warburg technic, 83
HILL, T. J.: oral organisms; antagonism, 272
—: penicillin; dentifrice; caries, 263
—: —; oral flora, 267
—: —; rat caries, 258
—: saliva; acid production, 391
—: salivary fraction; caries susceptibility, 645*
HODGE, H. C.: acid decalcification; rat molars, 675*
—: calcium exchange; bone; dentin, 657*
HOFFMAN, H.: fusobacterium; chromatin granules, 639*
HOFFMEISTER, F. S.: tissue changes; orthodontic movement, 673*
HORD, A. B.: topical fluoride; surface microhardness, 661*
HORWITT, M. K.: proteins; teeth; fish scales, 518
HOWELL, A. H.: vertical masticatory forces; measurement, 660*
HURST, V.: caries; bacteriological studies, 430
—: carieslike lesions; enamel; hamster, 668*
—: oral bacteria; pH tolerance, 675*
—: sugar utilization; actinomycetes; lactobacilli, 669*
HUTTON, W. E.: sugar utilization; actinomycetes; lactobacilli, 669*
Hydrocolloid impressions: copper-plating, 456
—: equilibrium maintenance, 108, 119, 447
Hypophysectomy: dentition; monkey, 48

I.A.D.R.: dental education, 627
—: inaugural address, 627
—: new members elected, 687
—: New York section; proceedings, May 5, 1949, 527
—: officers elected, 687
—: Philadelphia section; proceedings, Jan. 10, 1949, 334
—: proceedings; 27th general meeting, 627
—: —; executive, 679
—: —; index of participants, 632
Impression: compound; deterioration, 664*
—: materials; elastic; revisions, 573
—: —; hydrocolloid, 108, 119, 447, 456
—: pastes; zinc oxide-eugenol, 665*
Infection, 637*
—: fusospirochetal exudates, 7
—: oral; streptomycin; penicillin, 637*
—: prevention; disinfectants, 635*
Inflammation, 334*
Insulin coma therapy: caries; lactobacillus, 276
Investments: casting; hygroscopic; expansion, 665*
Iodine: radioactive; tooth uptake, 658*
Iodoacetic acid: caries, 657*
Irradiation: dentin growth rate, 633*
—: effects on bone and teeth, 656*
—: eruption, 633*
IRVING, J. T.: calciferol; dentin changes, 362
—: dentinal changes; nephrectomized rat, 356
—: fluoride; dentin calcification; rickets, 17
—: —; dentin formation, blood calcium, 144
—: mantle dentin; formation, 671*

JACOBSON, M.: salivary ammonia; calculus, 646*
JAMES, A. G.: reversible hydrocolloid impressions; equilibrium maintenance, 108, 119
JARABAK, J. R.: cephalometry, 654*
—: condylar resection; cranium and mandible; appraisal, 655*
—: —; growth, 655*
—: condylectomized mandibles; anthropometric, 672*
—: facial growth, 654*
—: method; bone serial sectioning, 671*
—: occlusal attrition; nerve resection, 672*
J. D. R.: report; board of editors, 682
—: William J. Gies Endowment Fund; report, 683
JELINEK, O. E.: fluorine; communal water supply, 398
JOHANNESSEN, L.: gingivae; histology; biomicroscope, 651*
JUDSON, M. A.: saliva; enterococci; lactobacilli; yeasts, 639*

KAMINS, M.: condylar resection; growth, 655*
—: facial growth, 654*
KAPLAN, H.: tooth surface replica studies; ageing, 31
KESEL, R. G.: salivary ammonia; calculus, 646*
KEYES, P. H.: caries; fluoride compounds, 138
—: —; gonadectomy; testosterone propionate, 653*
KIRSHNER, H. A.: composition; human and rat teeth, 61
KLAUBER, W. A., JR.: x-ray irradiation; dentin growth rate, 633*
—: —; eruption, 633*
KNIESNER, A. H.: penicillin; dentifrice; caries, 263
—: —; oral flora, 267
—: —; rat caries, 258
KNIGHTON, H. T.: silicone fluid; sporicidal effects, 672*
KRASNOW, F.: I.A.D.R.; proceedings; New York section, May 5, 1949, 527

LACTATE: decalcification; fluoride, 151
Lactic acid: caries, 282
Lactobacilli: ammonia salts, 638*
—: caries; progression, 641*
—: insulin coma therapy, 276
—: periodontal disease, 676*
—: saliva, 589, 639*
—: salivary; fluoride, 635*
—: serological relationships, 639*
—: wetting agents, 124
LAL, D.: alloxan diabetes; caries, 653*
LANDGREN, N. O.: casting investments; hygroscopic expansion, 665*
LAUDE, P. P.: machine; grinding tooth and bone sections, 643*
LAZANSKY, J. P.: bacteremias; factors influencing, 637*
—: —; following surgical procedures, 533
—: tissue changes; during orthodontic movement, 673*
LEICESTER, H. M.: caries; iodoacetic acid; tracer studies, 657*
Leukemia: gingiva, 651*
LEUNG, S. W.: caries; Puerto Rico, 648*
—: dental disease; nutrition; Puerto Rico, 648*
—: gingival disease; Puerto Rico, 649*
—: oral bacteria; Puerto Rico, 648*
LEVY, B. M.: estrogenic stimulation; alkaline phosphatase activity, 659*
—: pyridoxine deficiency; jaw growth, 656*
—: x-radiation; jaw growth, 656*
LIEBER, L.: caries; ammonium therapy dentifrice, 248
LIKINS, R. C.: fluoride; adsorption; enamel, 636*
—: —; enamel solubility, 636*
LISANTI, V. F.: dentin; thermal conductivity, 642*
LOSEE, F. L.: enamel; proteins, 512
Lupus vulgaris, 658*
Lysozyme-polysaccharide complex: saliva, 640*

McCLURE, F. J.: fluoride, adsorption; enamel, 636*
—: —; decalcification; citrate and lactate, 151
—: —; enamel solubility, 636*
—: salivary citrate; erosion, 613

MAETH, H.: Fiberglas, 664
MAHLER, D. A.: amalgam; crushing strength, 228
—: gypsum products; physical properties, 662*
MANHOLD, J.: oxygen consumption; gingiva, 670*
MANLY, R. S.: acid solubility; enamel; substances decreasing, 160
—: masticatory performance and efficiency; measurement, 647*
MARSHALL, M.: caries; bacteriological studies, 430
MARSHALL-DAY, C. D.: caries; Puerto Rico, 648*
—: dental disease; nutrition; Puerto Rico, 648*
—: gingival disease; Puerto Rico, 649*
—: oral bacteria; Puerto Rico, 648*
MARTIN, D. J.: salivary fluorine; lactobacillus caries, 635*
MASSLER, M.: caries; rampant; teen-age children, 674*
—: congenital mesodermal dysplasia, 673*
—: extracted first permanent molars; prevalence, 675*
—: gingivitis P-M-A index, 634*
—: oral flora; diabetics, 674*
Mastication: performance; efficiency; measurement, 647*
Masticatory forces: measurement, 660*
Material: dental; physical characteristics, 664*
—: impression; elastic, 573
MATT, M.: salivary fraction; caries susceptibility, 645*
MEDAK, H.: x-ray irradiation; dentin growth rate, 633*
—: —; eruption, 633*
MENKIN, V.: inflammation, 334*
Mercury: amalgam restorations, 569
—: vapor; dental offices, 435
Methylglyoxal: yellow-brown pigment production, 26
MIKOLA, O. J.: juvenile paradentitis, 650*
Mineral tide: saliva, 671*
MITCHELL, D. F.: caries; diet; hamster, 424
—: periodontal disease; hamster, 651*
MOORE, N. A.: caries; Bacillus brevis, 635*
—: —; bacterial antagonisms, 634*
Morphologic units: human dentition, 659*
MORRIS, P. P.: halitosis; prophylaxis antisepsis, 324
Mouthwash: halitosis, 324
Mucosa: pathologic pigmentation, 667*
MULLER, R. F.: acid decalcification; rat molars, 675*
MULLETT, P.: caries; bacteriologic studies, 430
—: oral bacteria; pH tolerance, 675*
MYERS, H. I.: caries; Bacillus brevis, 635*
—: —; bacterial antagonisms, 634*

NEPHRECTOMY: rat; dentinal changes, 356
Nerve: facial; resection; facial growth, 654*
Nitrofuran compounds: caries, 288
NORMAN, L.: amino acid derivatives; sulfanilamide, 644*
Norwegian children: dental studies, 641*
NUCKOLLS, J.: carieslike lesions; enamel; hamsters, 668*
—: eruption; first molar; rat, 667*
—: oral bacteria; pH tolerance, 675*
—: sugar utilization; actinomycetes; lactobacilli, 669*
Nutrition: molar pits, 646*
—: Puerto Rico, 648*

OCCLUSAL attrition: nerve resection, 672*
OLEN, A. A.: chlorophyll; mouth odors, 633*
OMAN, C. R.: co-medication; operative dentistry, 530*
Oral flora: diabetics, 674*
—: normal, 674*
ORBAN, B.: gingiva; leukemia, 651*
ORLAND, F. J.: lactobacilli; serological relationships, 639*
Orthodontic: movement; tissue changes, 673*
—: treatment; origin of expansion, 660*
Osteogenesis imperfecta: 673*
Oxalic acid: production; carbohydrates, 499
Oxygen consumption: gingiva, 83, 670*

PAFFENBARGER, G. C.: acrylic resins: polymerization, 665*
—: —; properties, 663*
—: Diafil; properties, 662*
Paleopathology: dental, 660*
Paracoccidioides: biological characteristics, 242
Paradentitis: juvenile, 650*
PEARLMAN, S.: ammonia salts; Lactobacillus acidophilus, 638*
—: caries: lactobacillus count; mental patients, 276
—: salivary fraction; caries susceptibility, 645*
Penicillin: adhesive ointment, 544
—: dentifrice; caries, 263
—: oral; flora, 267
—: —; infection, 637
—: rat caries, 258
Periarteritis nodosa, 527*
Periodontal: disease; hamster, 651*
—: —; lactobacillus counts, 676*
—: pocket; subcrevicular detachment, 649*
—: tissues: tuberculosis, 483
Periodontium: protein-free diet, 529
PHATAK, N. M.: alloxan diabetes; caries, 653*
PHILLIPS, R. W.: amalgam; compressive strength, 348, 663*
—: —; failures; clinical study, 439
—: —; restorations; mercury analysis, 569
Phosphatase: alkaline; activity; estrogenic stimulation, 659*
—: —; pulp, 55
—: saliva, 68
Phosphate: silicate; dentin penetration, 657*
p-Hydroxybenzoic acid, 644*
PICARD, R. G.: fluoride; electron microscopy and electron diffraction, 642*

PIERSON, E.: condylectimized mandibles; anthropometric, 672*
PIEZ, K. A.: citrate content; teeth, 647*
Pigment: yellow-brown melanin-like; production, 26
Pigmentation: pathologic mucosa, 667*
PINDBORG, J. J.: gingivitis; cigarette and pipe smoking, 464
—: tobacco; ulceromembranous gingivitis; calculus, 460
Pits: molar; nutrition, 646*
Plaster: See gypsum products
Pneumonia: pulp changes, 527*
Poland: gingival disease, 669*
Procaine: anesthetic depths; toxicity, 204
—: sensitivity, 337
—: stabilization, 676*
PROMBO, M. P.: disinfectants; infection prevention, 635*
Proteins: enamel, 512
—: fish scales, 518
—: free diet; teeth; periodontium, 529
—: teeth, 518
Proteolytic activities: candida, 640*
Puerto Rico: dental disease; caries; bacteria; gingivitis, 648-649*
Pulp: alkaline phosphatase, 55
—: condition; fusion frequency, 652*
—: healing, 97
—: pneumonia, 527*
Pyridoxine: deficiency; jaw growth, 656*

QUINONES: inhibitory activities, 645*

RADIOLOGIC resistance: Negro and white patients, 668*
Radiology: See x-ray and x-radiation
RAE, J. J.: phosphatase; saliva, 68
—: saliva; buffering capacity; viscosity; lactobacillus, 589
RAEBECK, W., Jr.,: thyroid-parathyroidectomy; caries; hamster, 529*
Radioactive iodine: tooth uptake, 658*
RAPP, G. W.: chlorophyll; mouth odors, 633*
—: —; saliva enzymes, 633*
—: —; salivary lactobacillus, 633*
—: —; wound healing, 666*
—: diethylaminoethanol; analgetic agent, 676*
—: procaine; stabilization, 676*
READ, R. R.: halitosis; prophylaxis; antiseptics, 324
Resorption: root, 653
Riboflavin: deficiency; maternal; cleft palate, 658*
RICHARDS, A. G.: radiologic resistance; Negro and white patients, 668*
Rickets: dentin calcification; fluoride, 17
RING, J. R.: estrogenic stimulation; alkaline phosphatase activity, 659*
ROBINSON, H. B. G.: Editor's Viewpoint, 1, 95, 201, 335, 433, 531
ROBINSON, L.: bacteremias; factors influencing, 637*
—: —; following surgical procedures, 533
RODOFSKY, L.: bacteremias; factors influencing, 637*
—: —; following surgical procedures, 533
Root: resorption; repair, 653*
ROSEBURY, T.: fusospirochetal exudates; infectivity; chick embryo; hamster; mouse; pig, 7
ROSENTHAL, S. L.: adhesive penicillin ointment, 544
—: I.A.D.R.; proceedings; Philadelphia section, Jan. 10, 1949, 334
—: lactobacillus; periodontal disease, 676*
—: streptomycin; penicillin; oral infections, 637*
ROTHNER, J. T.: adhesive penicillin ointment, 544
RUSSELL, A. L.: caries; variable; fluoride exposure, 600
—: fluoride; water supply; caries, 298

SALIVA: acid production, 391
—: amino acid, 644*
—: ammonia; calculus, 646*
—: ascorbic acid content; caries, 507
—: buffering capacity, 589
—: caries susceptibility, 645*
—: cholera vibrio, 666*
—: citrate; erosion, 613
—: enterococci, 639*
—: hydrogenases, 666*
—: hydrogen-ion concentration; CO_2 content, 72
—: —; flow, 583
—: lactobacilli, 589, 639, 641*
—: mineral tide, 671*
—: mucopolysaccharides; lysozyme-polysaccharide complex, 640*
—: phosphatase, 68
—: viscosity, 589
SAVCHUCK, W. B.: sodium fluoride solutions; stability, 4
SCHERP, H. W.: proteolytic bacteria; caries, 638*
SCHLACK, C. A.: caries; bilateral incidence; rats, 661*
—: procaine sensitivity; naval officers, 337
SCHOONOVER, I. C.: acrylic resins; polymerization, 665*
—: —; properties, 663*
—: Diafil; properties, 662*
SCHOUR, I.: calciferol; dentin changes, 362
—: dentinal changes; nephrectomized rat, 356
—: gingiva; epithelial-connective tissue junction, 643*
—: gingivitis P-M-A index, 634*
—: x-ray irradiation; dentin growth rate, 633*
—: —; eruption, 633*
—: genetic hypo-osteoclasia; tooth development, 654*
Schreger's bands, 195
—: organic basis, 549
SCOTT, D. B.: dentin fibers; electron microscopy, 676*
—: fluoride; enamel; electron microscopy; diffraction, 642*
—: tooth surface replica studies; ageing, 31

SCRIVENER, C. A.: caries; Bacillus brevis, 635*
—: —; bacterial antagonisms, 634*
Sectioning: bone; method, 671*
—: tooth and bone; machine, 643*
SEELIG, A.: pneumonia; pulp changes, 527*
Selenium: teeth and jaws, 172
Sensitivity: procaine, 337
SHAFER, W. G.: caries; diet; hamster, 424
—: chlorophyll; caries, 633*
SHAW, J. H.: caries; dietary effects, 677*
—: cotton rat caries; cage and bedding, 495
—: sugar; refined; raw; caries production, 676*
SHERMAN, H.: co-medication, 530*
SHOURIE, K. L.: caries; fluoride compounds, 138
—: —; Puerto Rico, 648*
—: dental disease; nutrition; Puerto Rico, 648*
—: gingival disease; Puerto Rico, 649*
—: oral bacteria; Puerto Rico, 648*
SHPUNTOFF, H.: fusospirochetal exudates; infectivity; chick embryo; hamster; mouse; pig, 7
Silicate: Diafil, 662*
—: phosphate; dentin penetration, 657*
—: restorations; disintegration, 528*
Silicone fluid: sporicidal effects, 672*
SIMMONS, N. S.: caries; Puerto Rico, 648*
—: gingival disease; Puerto Rico, 649*
—: oral bacteria; Puerto Rico, 648*
—: salivary mucopolysaccharides; lysozyme-polysaccharide complex, 640*
SKINNER, E. W.: denture retention; surface contact, 663*
—: zinc oxide-eugenol impression pastes, 665*
SLACK, F. A.: wear resistance; enamel; artificial teeth, 662*
SLANETZ, L. W.: oral bacteria; reduction; oral antiseptics, 313
SMITH, B. T.: saliva; ascorbic acid content, 507
SNYDER, M. L.: candida; proteolytic activities, 640*
—: terminal alkalinity; saliva; broth culture, 503
SOBEL, A. T.: composition; human and rat teeth, 61
SOGNNAES, R. F.: incremental lines; enamel, 558
—: postmortem histopathology; ancient teeth, 660*
—: so-called tufts and Schreger's bands; organic basis, 549
Solders: gold, 219
Solubility: calcium fluoride, 644*
—: enamel, 644*
—: fluorapatite, 644*
—: tricalcium phosphate, 644*
SPIES, T. D.: caries; nitrofuran compounds, 288
—: yellow-brown melanin-like pigment; production, 26
SPRAGUE, W. G.: caries; lactobacillus; mental patients, 276
SREENBNY, L. M.: extracted first permanent molars; prevalence, 675*
Statistical methods: principles of dentistry, 527*
STECK, N. S.: denture base material; vertical dimensions, 665*
STEIN, G.: protein free diet; teeth; periodontium, 529
STEPHAN, R. M.: oral micro-organisms; effects of; chemical substances, 652*
STORVICK, C. A.: caries; ecological factors, 594
—: —; regional variations, 415
STRAUB, J.: enamel; fluoride saturation, 310
Streptomycin: oral infections, 637*
Sugar: refined; ra , caries production, 676*
—: utilization; actinomyces; lactobacilli, 669*
Sulfanilamide: amino acid derivatives, 644*
SWANEY, A. C.: Diafil; properties, 662*
SWARTZ, M. L.: amalgam restorations; mercury analysis, 569
SWEENEY, W. T.: amalgam; crushing strength, 228
—: —; strength, 663*

TAYLOR, B. L.: caries; bilateral incidence; rats, 661*
TAYLOR, N. O.: amalgam; crushing strength, 228
—: gold solders, 219
TAYLOR, O. B.: acrylic resins; "self-curing," 663*
TEAMER, C. K.: gold solders, 219
Testosterone propionate: caries, 653*
Thermal conductivity: dentin, 642*
Thiouracil: teeth and jaws, 172
THOMAS, J. F.: acid decalcification; rat molars, 675*
THOMASSEN, P. R.: caries; iodoacetic acid; tracer studies, 657*
THOMPSON, J. R.: cephalometry; three dimensional, 654*
—: condylar resection; cranium and mandible; appraisal, 665*
TILDEN, E. B.: disinfectants; infection prevention, 635*
Tobacco: gingivitis, 464
TOOPER, E. B.: amino acid derivatives; p-hydroxybenzoic acid, 644*
Tooth surfaces: replica studies; age, 31
TOVERUD, G.: dental studies; Norwegian children, 641*
Tricalcium phosphate: solubility, 644*
Tuberculosis: oral conditions, 483
TURESKY, S.: gingiva; oxygen consumption; Warburg technic, 83
—: oxygen consumption; gingiva, 670*
TURNER, N. C.: oxalic acid; production; carbohydrates, 499
TWEEDY, W. R.: calciferol; dentin changes, 362
—: dentinal changes; nephrectomized rat, 356

UNDERWOOD, E. E.: calcium exchange; bone; dentin, 657*

VANNENBERG, J. R.: mercury vapor; dental offices, 435
VEHE, K.: condylar resection; growth, 655*
—: facial nerve resection; facial growth, 654*
VILLA, V. G.: dentinal enamel cuticle, 565
Viscosity: saliva, 589
Vitamin C: caries, 670*

WAERHAUG, J.: decalcification; methods; bone and teeth, 525
WALTER, F. E.: wetting agents; toxicity; antibacterial activity, 124
WARE, R. L.: procaine sensitivity; naval officers, 337
WARNER, B. W.: caries; Bacillus brevis, 635*
—: —; bacterial antagonisms, 634*
WAUGH, L. M.: William J. Gies Endowment Fund report, 683
WEBMAN, H.: penicillin; rat caries, 258
WEINMANN, J. P.: calciferol; dentin changes, 362
—: dentinal changes; nephrectomized rat, 356
—: genetic hypo-osteoclasia; tooth development, 654*
—: gingiva; epithelial-connective tissue junction, 643*
—: root resorption; repair, 653*
WEINREB, M.: x-ray irradiation; dentin growth rate, 633*
WENTZ, F. M.: gingivitis; leukemia, 651*
WESSELS, K. E.: salivary lactobacilli; caries progression, 641*
Wetting agents: toxicity; antibacterial activity, 124
WHEATCROFT, M. G.: caries; bilateral incidence; rats, 661*
WHITE, B. J.: oral organisms; antagonism, 272
—: penicillin; oral flora, 267
—: saliva; acid production, 391
—: salivary fraction; caries susceptibility, 645*
WILLIAMS, N. D.: saliva; enterococci; lactobacilli; yeasts, 639*
WINTER, G. R.: streptomycin; penicillin; oral infections, 637*
WYCKOFF, R. W. G.: dentin fibers; electron microscopy, 676*
—: fluoride; enamel; electron microscopy; diffraction, 642*
—: tooth surface replica studies; ageing, 31

X-RAY: irradiation; dentin growth rate, 633*
—: —; eruption, 633*
—: —; jaw growth, 656*

YEASTS: saliva, 639*

ZANDER, H. A.: pulp healing, 97
—: silicate phosphate; dentin penetration, 657*
ZIEHN, H. W.: zinc oxide-eugenol impression pastes, 665*
Zinc oxide-eugenol: impression pastes, 665*
—: pulp healing, 97
ZIPKIN, I.: citrate content; teeth, 647*
—: fluoride; decalcification; citrate and lactate, 151
—: salivary citrate; erosion, 613
ZISKIN, D. E.: hypophysectomy; dentition; monkeys, 48
—: protein-free diet; teeth; periodontium, 529